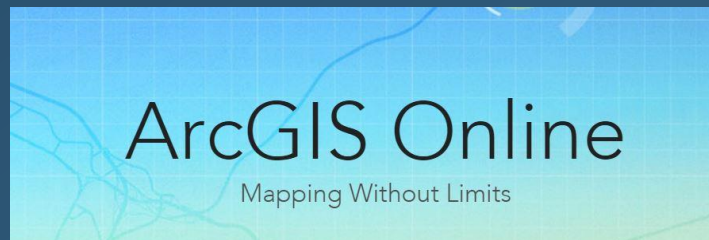




Accessing Existing Geospatial Data for Kharkiv:

Introduction to the Kharkiv Geonode and Kharkiv Workshop ArcGIS Online organization account





Secondary Cities: Kharkiv GeoNode

What is a GeoNode?

- A GeoNode is a user interface and security wrapper around GeoServer, an open source server for sharing geospatial data and other common open source GIS software.
- A GeoNode enables users to visualize geospatial information in a web browser or download it into their desktop environment.



Learn more at <http://geonode.org/>



Secondary Cities: Kharkiv GeoNode

Kharkiv GeoNode: Currently in Development

- Access to Kharkiv data layers from Spaero
 - Can download data in a variety of file formats
 - JPEG, PDF, PNG, Shapefile, GML 2.0, GML 3.1.1, CSV, Excel, GeoJSON, KML, Tiles
 - View data layers in online map viewer

<http://secondarycities.geonode.state.gov/>





Secondary Cities: Kharkiv GeoNode

Kharkiv GeoNode: Currently in Development

<http://secondarycities.geonode.state.gov/>

Cities

Discover innovative examples of open data and community empowerment



Cusco



Denpasar



Kharkiv





Medellin



Secondary Cities: Kharkiv GeoNode

Kharkiv GeoNode: Currently in Development

<http://secondarycities.geonode.state.gov/>

 Layers Maps Documents People Groups Search  Sign in

Search :


Cart

Add resources through the "Add to cart" buttons.

Total: 25 ↓ A Z

Filters [Clear](#)

TEXT


Search by text 

TYPE

[Raster](#) 4

[Vector](#) 33







[Document](#) 2

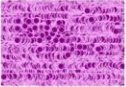


Topography and Elevation

[Kharkiv: Elevation Contours](#)

Elevation contour lines.







 schignel_admin  27 Apr 2016  5  0  0  Create a Map

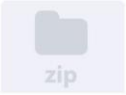


Topography and Elevation

[Kharkiv: Elevation Points](#)

Ground control points for elevation.






 schignel_admin  26 Apr 2016  4  0  0  Create a Map



Boundaries

[Kharkiv: Geodatabase \(Spaero\)](#)

Geodatabase (.mdb) of data for Kharkiv.

 selinn_admin  25 Apr 2016  3  0  0



Secondary Cities: Kharkiv GeoNode

Kharkiv GeoNode: Currently in Development

Description of Kharkiv Data Layers provided by Spaero

Accessible through [GeoNode](#) and [AGOL Workshop Account](#)

Layer	Geometry	Attributes
Buildings	Polygons	91543 total features. Residential, non-residential; number of floors and number of apartments for residential. Student dorms; schools and pre-schools, factories, hospitals, police stations are part of the non-residential
Rivers, Lakes, Reservoirs	Lines; Polygons	
Parcels	Polygons	3281 total parcels. Types of parcels: industrial zone, green zone, commercial zone; construction areas; playgrounds; socio-cultural and athletic areas
Zoning	Polygons	7543 total polygons. Industrial; green; cemetery; low-rise residential; high-rise residential; unused land; agricultures areas
Urban districts	Polygons	10 administrative districts
Streets and Roads	Lines	
Subway Station Entrances	Points	105 entrances
Public Transportation Stops	Points	924 points
Tram Lines	Lines	
Bridges	Lines; Polygons	
Railroad Stations	Points	
Railroads	Lines	
Objects	Points	1278 points total. Police stations; city and oblast administration; hospitals and clinics; banks; cafes; exhibit halls; food markets; supermarkets; hotels; orphanages; zoo; higher education institutions; casino; clubs; places of worship; theater; circus; monastery; museums; post offices; gym; stadium
Fountains and Monuments	Points	
Electric Utilities	Points; Lines	
Elevation	Points; Lines	

Secondary CITIES

Layers Maps Documents People Groups Search

Search :

Total: 25

Cart

Add resources through the "Add to cart" buttons.

Filters

TEXT

Search by text

TYPE

Raster 4

Vector 33

Document 2

Topography and Elevation

[Kharkiv: Elevation Contours](#)

Elevation contour lines.

[schignel_admin](#) 27 Apr 2016 5 0 0 Create a Map

Topography and Elevation

[Kharkiv: Elevation Points](#)

Ground control points for elevation.

[schignel_admin](#) 26 Apr 2016 4 0 0 Create a Map

Boundaries

[Kharkiv: Geodatabase \(Spaero\)](#)

Geodatabase (.mdb) of data for Kharkiv.

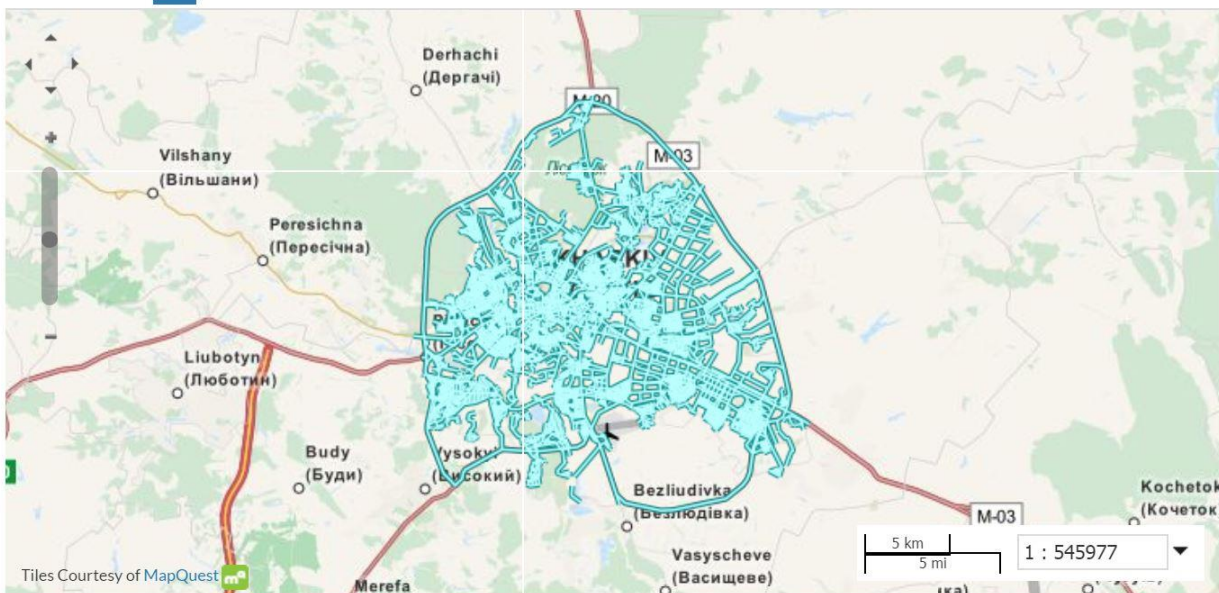
[selinn_admin](#) 25 Apr 2016 3 0 0



Secondary Cities: Kharkiv GeoNode

[Layers](#)[Maps](#)[Documents](#)[People](#)[Groups](#)[Sign in](#)

Kharkiv: Transportation Network

[Info](#)[Attributes](#)[Share](#)[Ratings](#)[Comments](#)[Download Layer](#)[Download Metadata](#)

Legend

Maps using this layer

This layer is not currently used in any maps.

Create a map using this layer

Click the button below to generate a new map based on this layer.

[Create a Map](#)



Secondary Cities: Kharkiv GeoNode

Kharkiv GeoNode: Currently in Development

<http://secondarycities.geonode.state.gov/>

Secondary CITIES

Layers Maps Documents People Groups Search Sign in

Kharkiv: Transportation Network

Download Metadata

- Atom
- DIF
- Dublin Core
- ebRIM
- FGDC
- ISO

Download Layer

- JPEG
- PDF
- PNG
- Zipped Shapefile
- GML 2.0
- GML 3.1.1
- CSV
- Excel
- GeoJSON
- KML
- View in Google Earth
- Tiles



Workshop ArcGIS Online Account

<https://sckharkiv.maps.arcgis.com/home/>

Secondary CITIES Kharkiv

ArcGIS Online

Mapping Without Limits

Mapping Secondary Cities for Resiliency, Human Security, and Emergency Preparedness is the flagship, field-based initiative of the Office of the Geographer.

- Building partnerships to create geospatial data on secondary cities
- Enhancing understanding of secondary cities through data and mapping
- Building local capacity in geospatial science-based decision making
- Proving open geospatial data solutions
- Facilitating long-term secondary city partnerships and networks

[Esri.com](#) | [ArcGIS Marketplace](#) | [Help](#) | [Terms of Use](#) | [Privacy](#) | [Contact Esri](#) | [Contact Us](#) | [Report Abuse](#)



Workshop ArcGIS Online Account

Home **Gallery** Map Scene Groups My Content My Organization

Candice ▾



Gallery

My Favorites My Organization's Featured Content **Esri Featured Content**

Kharkiv Featured Content

Sort By: Most Viewed ▾

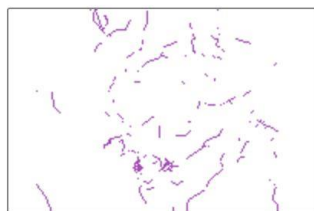


Show

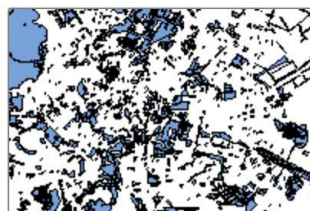
All

Maps
Layers
Scenes
Apps
Tools
Files

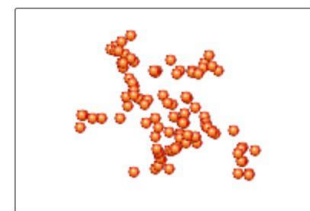
Search the website or visit the
ArcGIS Marketplace



spaero_kharkiv_rivers



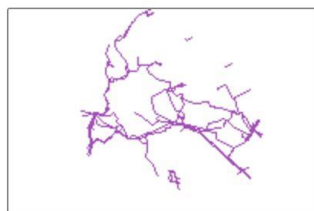
spaero_kharkiv_parcels



spaero_kharkiv_oilandgas



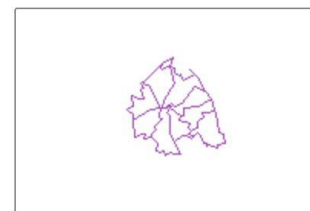
spaero_kharkiv_transport_network



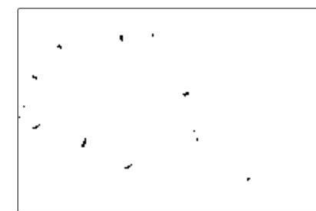
spaero_kharkiv_powerlines



spaero_kharkiv_address_points



spaero_kharkiv_admin_boundary_lines



spaero_kharkiv_bridge_poly





Workshop ArcGIS Online Account

Home ▾ spaero_kharkiv_parcels

New Map ▾ Candice ▾

[Details](#) [Add ▾](#) [Basemap](#) [Analysis](#) [Save ▾](#) [Share](#) [Print](#) [Directions](#) [Measure](#) [Bookmarks](#)

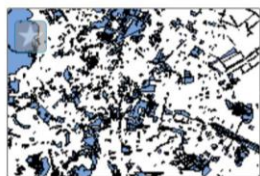
Find address or place



Contents

☒ spaero kharkiv parcels

▶ [Topographic](#)



spaero_kharkiv_parcels

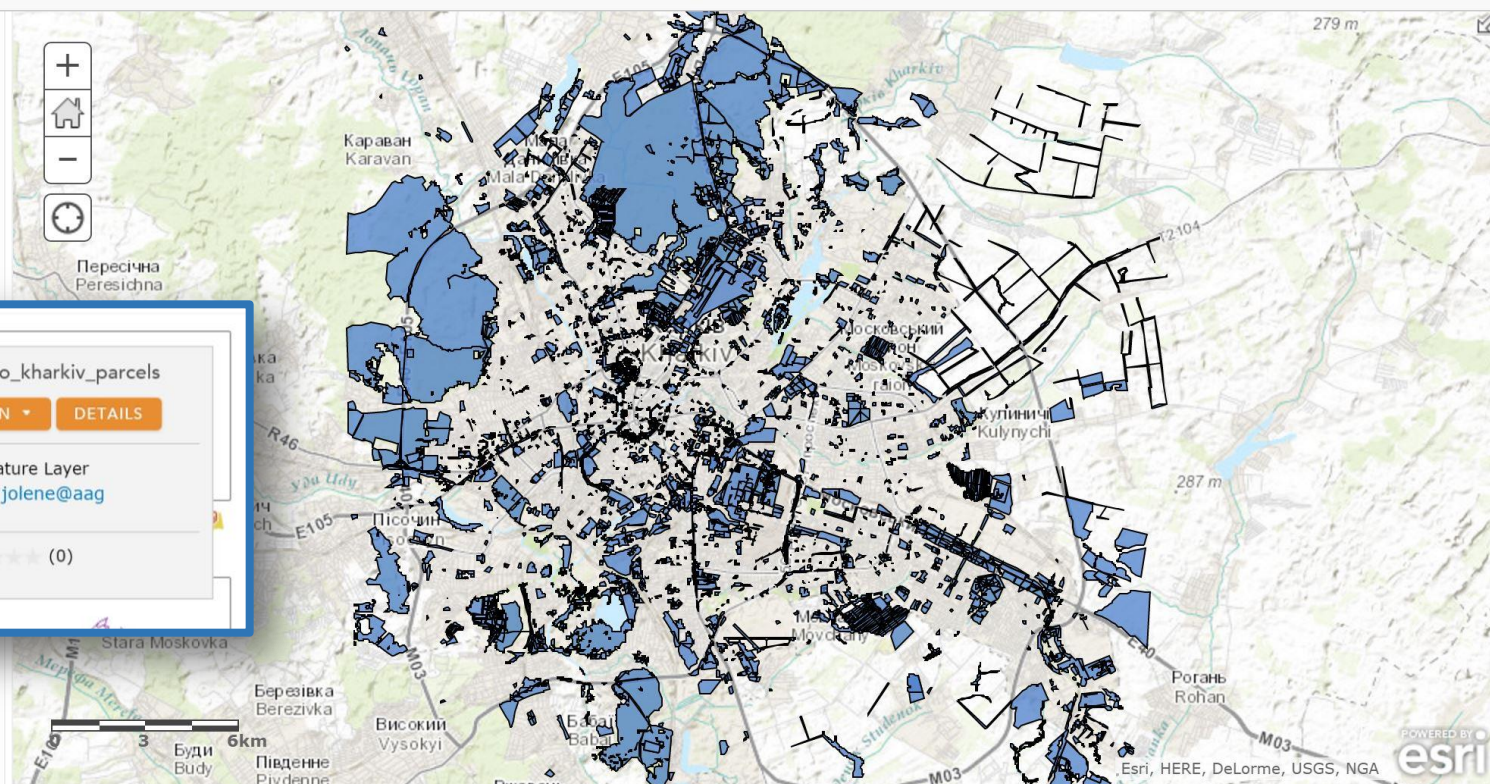
spaero_kharkiv_parcels

OPEN ▾

DETAILS

Feature Layer
by [jolene@aag](#)

★★★★★ (0)



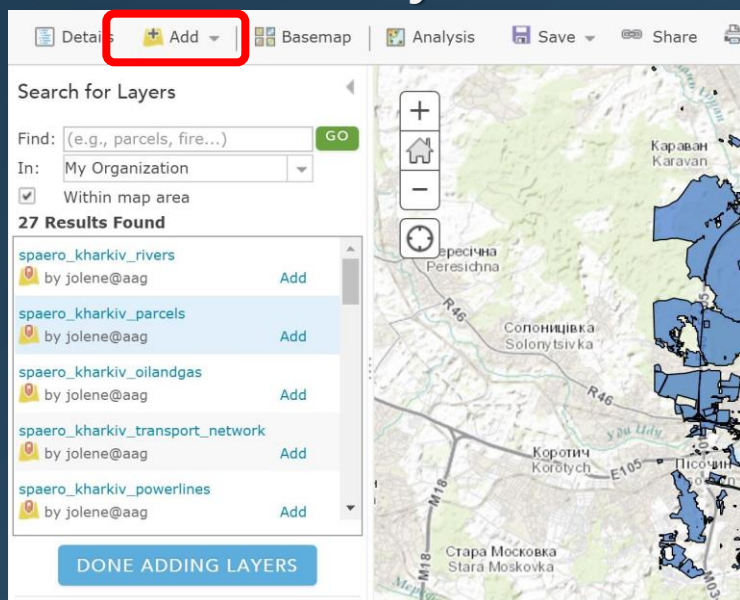


Workshop ArcGIS Online Account

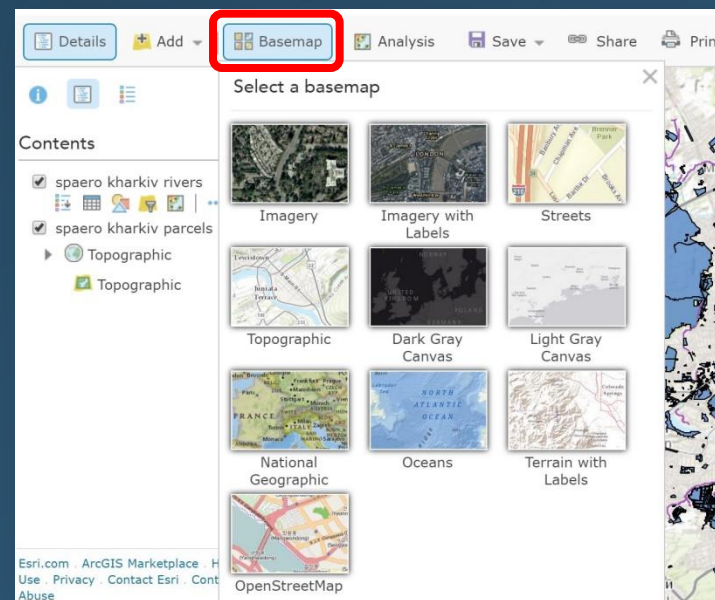
Map Menu



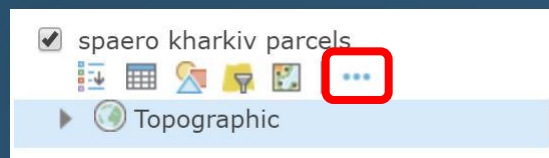
Add Layers



Change Basemap



Layer Menu





Workshop ArcGIS Online Account

[Home](#) [Gallery](#) [Map](#) [Scene](#) [Groups](#) [My Content](#) [My Organization](#)

Candice ▾



Gallery

[My Favorites](#) [My Organization's Featured Content](#) [Esri Featured Content](#)



Featured Maps from the Living Atlas

Sort By: [Most Viewed](#)



Maps

Show

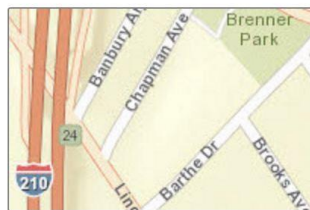
All

[Imagery](#)
[Basemaps](#)
[Historical Maps](#)
[Demographics & Lifestyle](#)
[Landscape](#)
[Oceans](#)
[Earth Observations](#)
[Urban Systems](#)
[Transportation](#)
[Boundaries & Places](#)
[Story Maps](#)

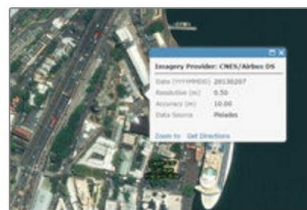
Area

All

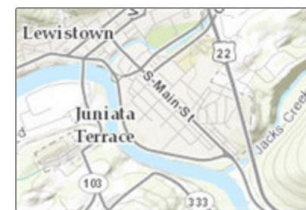
[World](#)



Streets



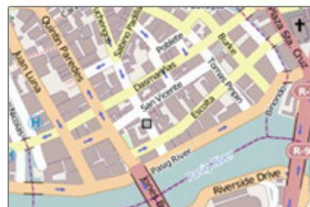
Imagery with Metadata



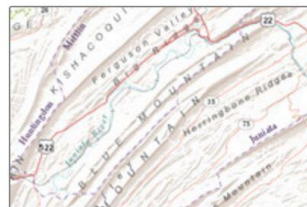
Topographic



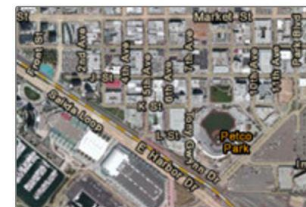
Imagery with Labels



OpenStreetMap



Terrain with Labels



Imagery Hybrid



State of bathing waters





Workshop ArcGIS Online Account

Topographic



Topographic map which includes boundaries, cities, water features,

Web Map by esri

Last Modified: December 21, 2015

★★★★★ (31 ratings, 1,235,662 views)

Facebook Twitter

OPEN

Description

This map is designed to be used as a basemap by GIS professionals and as a reference map by anyone. The map includes cities, water features, physiographic features, parks, landmarks, highways, roads, railways, airports, and administrative boundaries, overlaid on land cover and shaded relief imagery for added context. Alignment of boundaries is a presentation of the feature provided by our data vendors and does not imply endorsement by Esri or any governing authority.

The map provides coverage for the world down to a scale of ~1:72k. Coverage is provided down to ~1:4k for the following areas: Africa, Australia and New Zealand; Europe and Russia; India; the continental United States and Hawaii; Canada; Mexico; most of the Middle East; Pacific Island nations; South America and Central America. Coverage down to ~1:1k and ~1:2k is available in select urban areas.

This basemap was compiled from a variety of best available sources from several data providers, including the U.S. Geological Survey (USGS), U.S. Environmental Protection Agency (EPA), U.S. National Park Service (NPS), Food and Agriculture Organization of the United Nations (FAO), Department of Natural Resources Canada (NRCAN), GeoBase, Agriculture and Agri-Food Canada, DeLorme, HERE, and Esri. Data for Africa and Pacific Island nations from ~1:288k to ~1:4k (~1:1k in select areas) was sourced from OpenStreetMap contributors. Specific country list and documentation of Esri's process for including OSM data is [available to view](#).



Topographic



Topographic

OPEN

DETAILS

Web Map by esri

Topographic map which includes boundaries, cities, water features, physiographic features, parks, landmarks, transportation, and buildings.

★★★★★ (31)



Workshop ArcGIS Online Account

My Content My Organization Candice ▾

Structured Content Esri Featured Content

Living Atlas

Sort By: Most Viewed

- Search All Content
- Search for Maps
- Search for Layers
- Search for Apps
- Search for Scenes
- Search for Tools
- Search for Files
- Search for Groups

Streets

Imagery with Metadata

Topographic

Imagery with Labels



ArcGIS Online (AGOL) Resources

- ArcGIS Online Help:
- <http://doc.arcgis.com/en/arcgis-online/>
 - *Learn to use, make, and share maps, scenes, and apps*
- ArcGIS Online Videos:
- <http://video.arcgis.com/series/18/arcgis-online>
 - *Short, how-to videos to quickly learn AGOL functions*
- Esri blog:
- <https://blogs.esri.com/esri/arcgis/category/arcgis-online/>
 - *Additional information and discussion about AGOL*